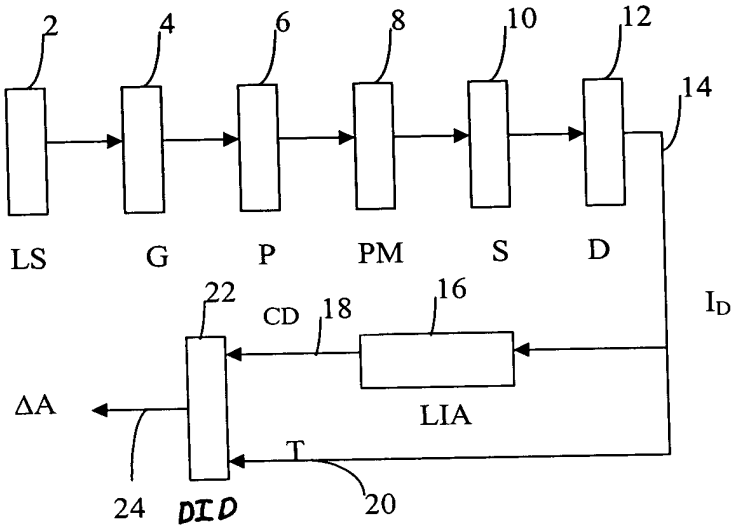
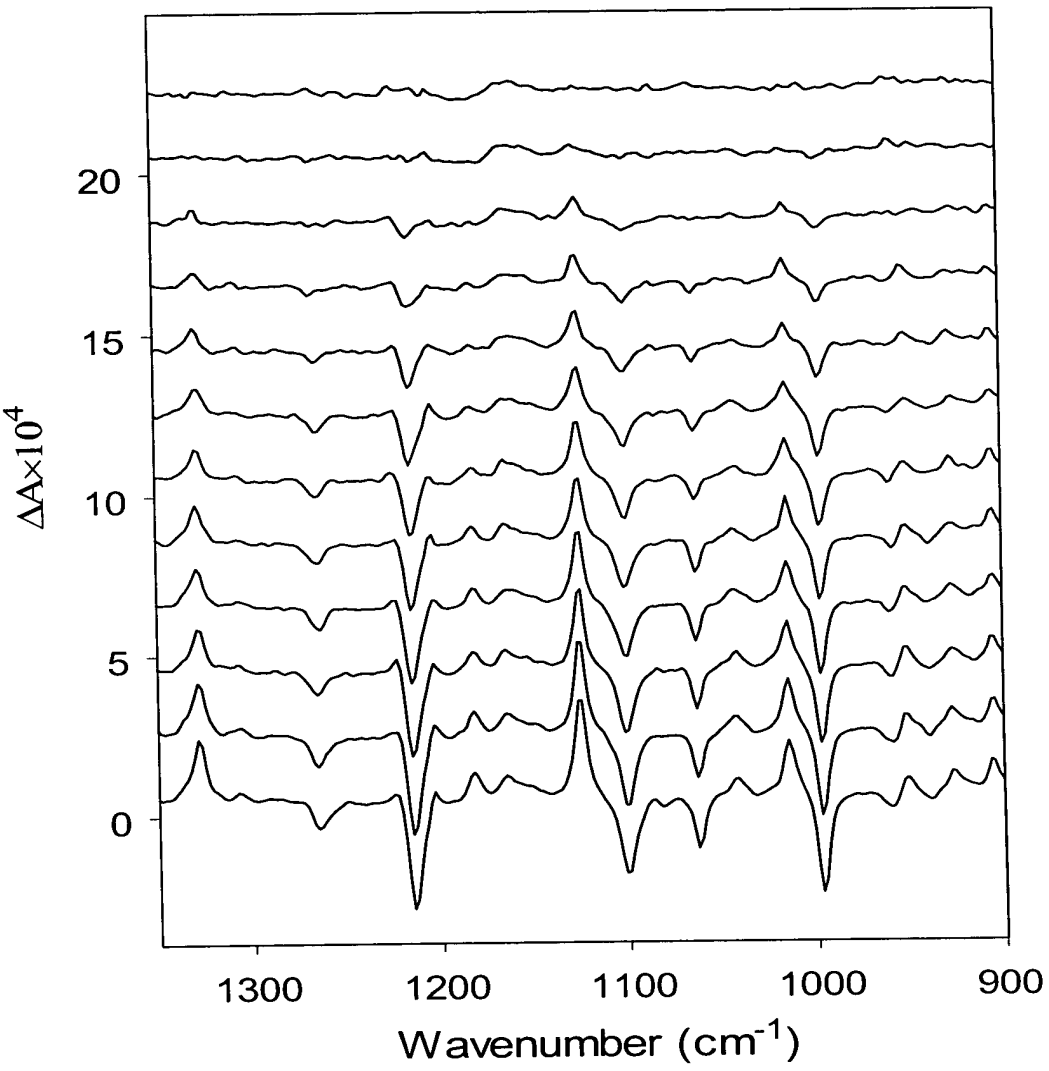


Figure 1

Figure 2



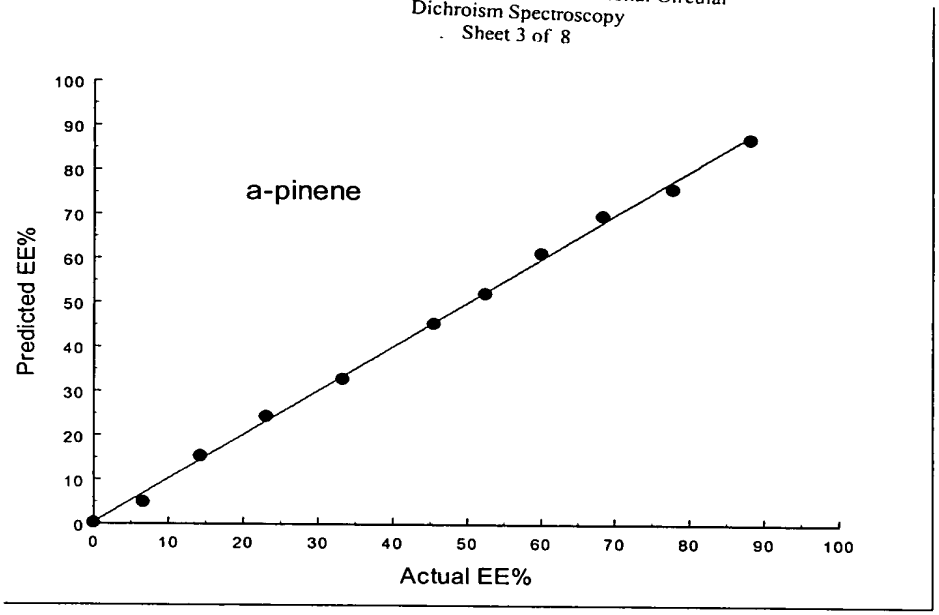


Figure 3a

Actual EE%	Predicted EE%	Variance (EE%)
88.24	87.19	1.05
77.78	75.89	1.89
68.42	69.74	-1.32
60.00	61.33	-1.33
52.38	52.16	0.22
45.45	45.32	0.13
33.33	32.82	0.51
23.08	24.39	-1.31
14.29	15.41	-1.12
6.67	4.92	1.75
0.00	0.27	-0.27
RMSD	1.15	

Figure 3b

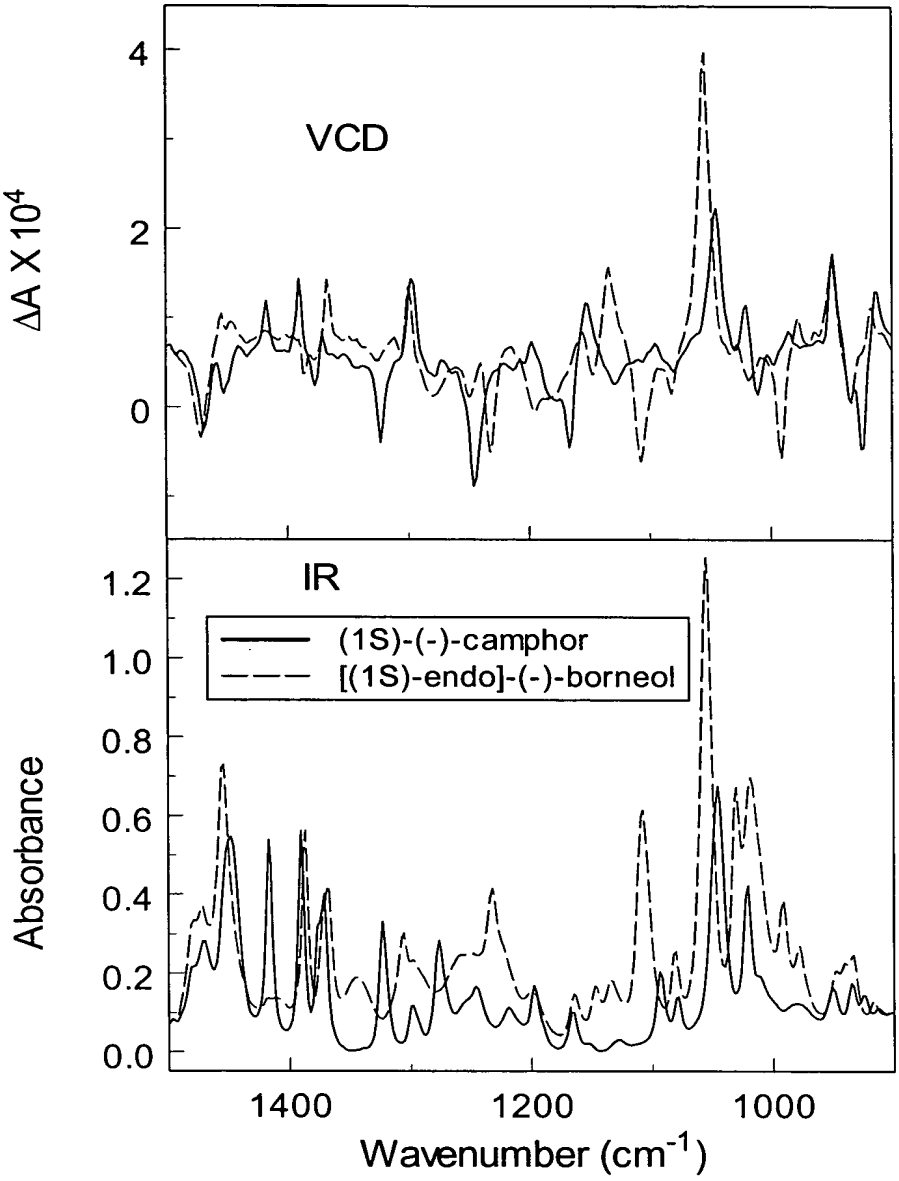

VCD
IR
(1S)-(-)-camphor
[(1S)-endo]-(-)-borneol
ΔA X 10^4
Absorbance
Wavenumber (cm^-1)
4
2
0
1.2
1.0
0.8
0.6
0.4
0.2
0.0
1400
1200
1000

Figure 4

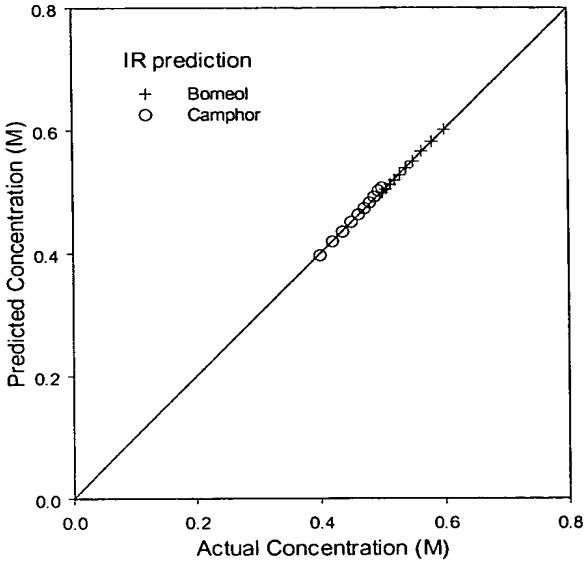


Figure 5a

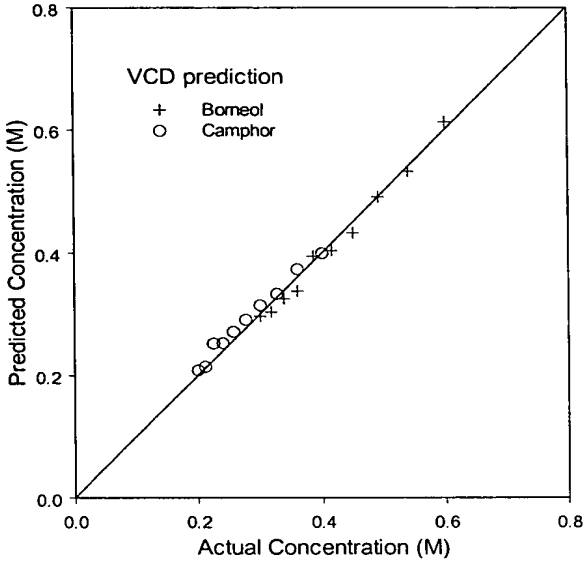
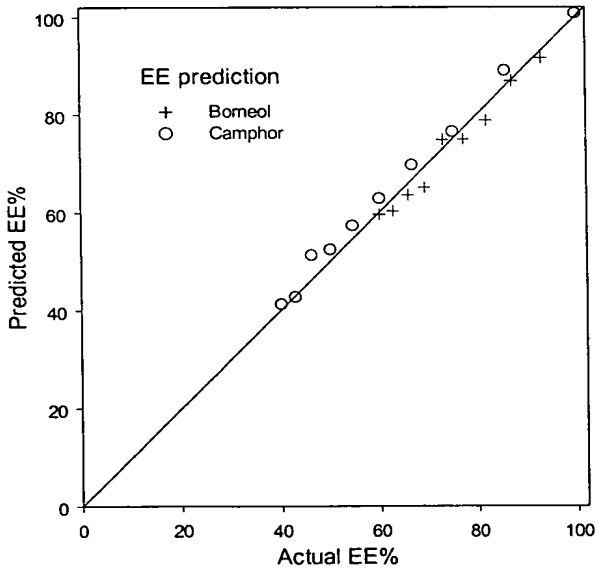


Figure 5b

Figure 5c



	Borneol concentration (M)			Camphor concentration (M)		
	Actual	Predicted	Variance	Actual	Predicted	Variance
1	0.6000	0.5982	-0.0018	0.4000	0.4018	0.0018
2	0.5800	0.5794	-0.0006	0.4200	0.4206	0.0006
3	0.5636	0.5639	0.0003	0.4364	0.4361	-0.0003
4	0.5500	0.5502	0.0002	0.4500	0.4498	-0.0002
5	0.5385	0.5398	0.0013	0.4615	0.4602	-0.0013
6	0.5286	0.5276	-0.0009	0.4714	0.4724	0.0009
7	0.5200	0.5206	0.0006	0.4800	0.4794	-0.0006
8	0.5125	0.5144	0.0019	0.4875	0.4856	-0.0019
9	0.5059	0.5044	-0.0015	0.4941	0.4956	0.0015
10	0.5000	0.4994	-0.0006	0.5000	0.5006	0.0006
RMSD	0.0011			0.0011		

Figure 6

	[(1S)-endo]-(-)-Borneol (M)			(1S)-(-)-Camphor (M)		
	Actual	Predicted	Variance	Actual	Predicted	Variance
1	0.6000	0.5837	-0.0163	0.4000	0.3891	-0.0109
2	0.5400	0.5372	-0.0028	0.3600	0.3581	-0.0019
3	0.4909	0.4814	-0.0095	0.3273	0.3210	-0.0063
4	0.4500	0.4473	-0.0027	0.3000	0.2982	-0.0018
5	0.4154	0.4129	-0.0024	0.2769	0.2753	-0.0016
6	0.3857	0.3851	-0.0006	0.2571	0.2567	-0.0004
7	0.3600	0.3655	0.0055	0.2400	0.2437	0.0037
8	0.3375	0.3407	0.0032	0.2250	0.2271	0.0021
9	0.3176	0.3219	0.0042	0.2118	0.2146	0.0028
10	0.3000	0.3150	0.0150	0.2000	0.2100	0.0100
RMSD	0.0081			0.0054		

Figure 7

	EE% of [(1S)-endo]-(-)-borneol			EE% of (1S)-(-)-Camphor		
	Actual	Predicted	Variance	Actual	Predicted	Variance
1	100.00	97.57	-2.43	100.00	96.84	-3.16
2	93.10	92.71	-0.39	85.71	85.15	-0.56
3	87.10	85.37	-1.73	75.00	73.60	-1.40
4	81.82	81.29	-0.53	66.67	66.29	-0.37
5	77.14	76.50	-0.64	60.00	59.82	-0.18
6	72.97	72.98	0.01	54.55	54.35	-0.20
7	69.23	70.21	0.98	50.00	50.83	0.83
8	65.85	66.23	0.38	46.15	46.77	0.61
9	62.79	63.81	1.02	42.86	43.29	0.44
10	60.00	63.07	3.07	40.00	41.95	1.95
RMSD	1.46			1.32		

Figure 8